

Overview

- 0 ... 10 mm
- voltage output / PNP
- Teach-in
- connector M8
- 10 ... 70 °C
- IP 67



Picture similar



Technical data

General data

Mounting type	Quasi-flush
Special type	Linearized
Measuring distance Sd	0 ... 10 mm
Resolution	< 0.01 mm (stat.) < 0.01 mm (dynam.)
Repeat accuracy	0.015 mm
Adjustment	Teach-in
Linearity error	± 50 µm
Temperature drift	± 5 % (Full Scale)

Electrical data

Response time (factory characteristic)	< 2.5 ms
Response time (teach in characteristic)	< 3.1 ms
Voltage supply range +Vs	15 ... 30 VDC
Current consumption max. (no load)	30 mA

Electrical data

Output circuit	Voltage output / PNP
Output signal	0 ... 10 VDC
Load resistance	> 1000 Ohm
Output current	10 mA (PNP)
Voltage drop Vd	<5 VDC (PNP)
Short circuit protection	Yes
Reverse polarity protection	Yes

Mechanical data

Design	Rectangular
Material (sensing face)	PBT
Housing material	Polyester
Dimension	20 mm
Housing length	42 mm
Connection types	Connector M8

Ambient conditions

Operating temperature	-10 ... +70 °C
Protection class	IP 67

Remarks

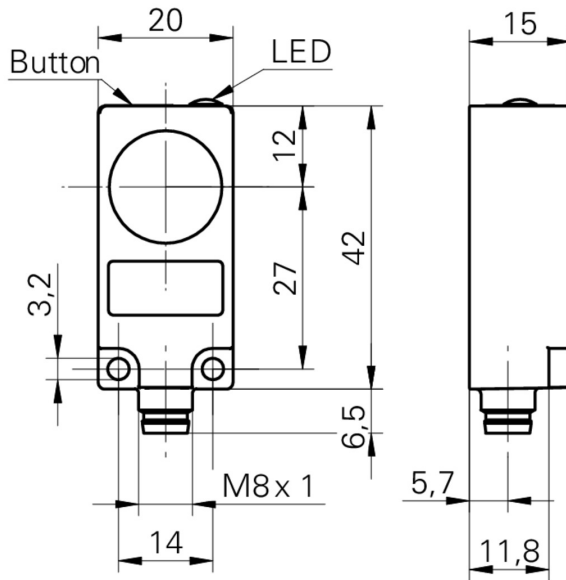
- Internal Teach-In
- Integrated analog- and switching output
- Linear analog output
- The sensor is suited for a controlled electromagnetic environment according to EN 61326-1, table 3.

IWFK 20Z8704/S35A

Inductive distance sensors - linearized

Article number: 10155694

Dimension drawing



Connection diagram

